



OB2

VOLTAGE REGULATOR

MINIATURE GLOW-DISCHARGE TYPE

GENERAL DATA

Electrical:

Cathode. Cold

Mechanical:

Mounting Position. Any

Maximum Overall Length. 2-5/8"

Maximum Seated Length. 2-3/8"

Length, Base Seat to Bulb Top (Excluding tip). . . 2" \pm 3/32"

Maximum Diameter. 3/4"

Weight (Approx.) 0.3 oz

Bulb T-5-1/2

Base Small-Button Miniature 7-Pin (JETEC No. E7-1)

Basing Designation for BOTTOM VIEW. 5B0

Pin 1 - Anode

Pin 2 - Cathode

Pin 3 - Internal
Connection-
Do Not Use

Pin 4 - Cathode



Pin 5 - Anode

Pin 6 - Internal
Connection-
Do Not Use

Pin 7 - Cathode

Maximum and Minimum Ratings, Absolute Values:

AVERAGE STARTING CURRENT \blacklozenge 75 max. ma

DC CATHODE CURRENT { 30 max. ma

FREQUENCY. 0 min. ma

AMBIENT-TEMPERATURE RANGE. -55 to +90 cps $^{\circ}$ C

Circuit Values:

Shunt Capacitor. 0.1 max. μ mf

Series Resistor. See note below

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

	Min.	Av.	Max.	
DC Anode-Supply Voltage. . . .	133 \blacksquare	-	-	volts
Anode Breakdown Voltage. . . .	-	115	133*	volts
Anode Voltage Drop	101 \bullet	108	114*	volts
Regulation (5 to 30 ma.)	-	1	4*	volts

\blacklozenge Averaged over starting period not exceeding 10 seconds. This starting period must be followed by a steady-state operating condition of at least 20 minutes, or tube performance will be impaired.

\blacksquare Not less than indicated supply voltage should be provided to insure "starting" throughout tube life.

* Maximum individual tube value during useful life.

\bullet Minimum individual tube value during useful life.

The operating considerations and circuit information shown under Type OA2 also apply to Type OB2

\leftarrow Indicates a change.